

Talk/Poster (none for Ultracold): Upgrades, Current Capabilities and Near-Term Plans of the NASA ARC Mars Climate

Modeling Project

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We describe and review recent upgrades to the ARC Mars climate modeling framework, in particular, with regards to

physical parameterizations (i.e., testing, implementation, modularization and documentation); the current climate modeling

capabilities; selected research topics regarding current/past climates; and then, our near-term plans related to the NASA

ARC Mars general circulation modeling (GCM) project